

WE CLAIM:

1. An exercise apparatus, comprising:

a support frame including a base support adapted to be mounted on a support surface and having opposite front and rear portions, and a front support extending upwardly from said front portion;

5 a crank assembly having a crankshaft mounted rotatably on said rear portion, and a pair of crank members mounted respectively on two opposite ends of said crankshaft;

10 two swing units, each of which includes a lever mounted pivotally on said front support, and a longitudinal connecting unit connected to a respective one of said crank members and connected to said lever; and

15 two pedal assemblies, each of which includes a rocking arm, and a pedal axle having a front end connected to said rocking arm and a rear end opposite to said front end, said rocking arms of said pedal assemblies having pivot ends mounted pivotally and respectively on left and right sides of said front support, said pedal axle having said rear end making relative sliding movement with said connecting unit when said pedal axle is moved, said pedal assemblies being respectively connected to said swing units for swinging synchronously with said 20 swing units.

25 2. The exercise apparatus as claimed in Claim 1, further comprising a stabilizing support that is connected

pivottally to said connecting unit and that is adapted to contact and slide on the support surface.

3. The exercise apparatus as claimed in Claim 2, wherein said stabilizing support includes a bracket member
5 pivottally connected to said connecting unit, and a roller that is attached to said bracket member and that is adapted to contact and slide on the support surface.

4. The exercise apparatus as claimed in Claim 3, wherein said connecting unit of each of said swing units includes a connecting rod connected pivottally to a respective one of said crank members, and a link member connected pivottally to said connecting rod and said lever, said bracket member being attached to one of said link member and said connecting unit.

15 5. The exercise apparatus as claimed in Claim 1, further comprising an adjustment unit for adjusting a swinging amplitude of said pedal assemblies, said adjustment unit being mounted movably on said front support to move upwardly and downwardly and connected to said pivot ends of said rocking arms of said pedal assemblies.

6. The exercise apparatus as claimed in Claim 5, further comprising two synchronizing members, each of which couples said rocking arm of a respective one of said pedal assemblies and said lever of a respective one of
25 said swing units.

7. The exercise apparatus as claimed in Claim 6, wherein each of said synchronizing members is fixed to the

corresponding one of said levers of said swing units, and is connected slidably to the corresponding one of said rocking arms of said pedal assemblies, said rocking arms being slidable with respect to said synchronizing members through said adjustment unit to move said pivot ends of said rocking arms toward or away from said synchronizing members.

5 8. The exercise apparatus as claimed in Claim 1, further comprising a sliding member connected to one of said rear end of said pedal axle and said connecting unit to slide on the other one of said rear end of said pedal axle and said connecting unit.

10 9. The exercise apparatus as claimed in Claim 8, wherein said connecting unit includes a connecting rod connected to the corresponding one of said crank members, said sliding member including at least one roller to slide on said connecting rod.

15 10. The exercise apparatus as claimed in Claim 9, wherein said sliding member includes a pair of spaced-apart seat plates secured to said rear end of said pedal axle, a pair of spaced-apart cross pins extending across said seat plates, and a pair of said rollers that are mounted respectively on said cross pins and that are disposed between said seat plates, said connecting rod passing between and being in contact with said pair of rollers.

20 25 11. An exercise apparatus, comprising:

 a support frame including a base support adapted to

be mounted on a support surface and having opposite front and rear portions, and a front support extending upwardly from said front portion;

5 a crank assembly having a crankshaft mounted rotatably on said rear portion, and a pair of crank members mounted respectively on two opposite ends of said crankshaft;

10 two swing units, each of which includes a lever mounted pivotally on said front support, and a longitudinal connecting unit connected to a respective one of said crank members and connected to said lever;

15 two pedal assemblies, each of which includes a rocking arm, and a pedal axle having a front end connected to said rocking arm, said rocking arms of said pedal assemblies having pivot ends mounted pivotally and respectively on left and right sides of said front support, said pedal assemblies being respectively connected to said swing units for swinging synchronously with said swing units; and

20 an adjustment unit for adjusting the swinging amplitude of said pedal assemblies.

12. The exercise apparatus as claimed in Claim 11, wherein said adjustment unit is mounted movably on said front support to move upwardly and downwardly and is connected to said pivot ends of said rocking arms of said pedal assemblies.